



SERVICE INFORMATION LETTER

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

TEST DATA SHEET FOR P/N 358 Spe-Don Mask Assemblies

1. BACKGROUND

- A. CMM 35-10-05 specifies the tests that must be passed in order to return a unit to service. This SIL provides a standardized form on which to record the results of the required functional tests. This form will be incorporated into the CMM at the next revision.
- B. You are authorized to copy the form on pages 2 and 3. If you copy the form on pages 2 and 3, you must copy all of the form.
- C. Use this form only for the AVOX Systems component printed on the form. Do not use this form for any other AVOX Systems components or for any components of another company.

2. EFFECTIVITY

A. Aircraft

The Test Data Sheets on pages 2 and 3 can be used for all units whether removed from any aircraft or from spares inventory.

B. This SIL applies to P/N 358 Spe-Don Mask Assemblies only.

The only material required by this SIL is the Test Data Sheets on pages 2 and 3.

4. ACCOMPLISHMENT OF SIL

- A. Make complete copies of the Test Data Sheets on pages 2 and 3.
- B. Use a copy of the Test Data Sheets from pages 2 and 3 to record the results of tests whenever a P/N 358 Spe-Don Mask Assemblies are tested.

5. TO CONTACT AVOX SYSTEMS:

Use the contact information below to get a copy of a CMM or the revision status of a publication. Give the AVOX Systems part number and the aircraft model when you request a CMM copy.

First tier operators:

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**CMM 35-10-05
TEST DATA SHEET A
358 Spe-Don Mask Assemblies**

Tested by: _____

Date: _____

Part Number: 358-_____

Inspected by: _____

Date: _____

Serial Number: _____

Refer to the Check and the Testing and Fault Isolation sections of CMM 35-10-05.**1. Check**

Inspect the assembly, subassemblies, and components for evidence of external damage, wear, and overall condition. Verify no evidence of deterioration to elastomer components. Verify all parts that are no longer serviceable have been replaced.

☐ FAILPASS ☐**3. Mask Assembly Bench Test Procedures
A. Communications Test**

Power Supply	Decibel Meter Deflects and Microphone Functions
120 VAC, 60 Hz	☐ FAIL PASS ☐

**B. Oxygen Supply Test
(1) Test Set Leak Test**

Regulated Pressure psig (kPag)	No Leakage
75 - 85 (520 - 590)	☐ FAIL PASS ☐

**B. Oxygen Supply Test
(2) Mask**

Regulated Pressure psig (kPag)	Oxygen Control Valve Position	Regulator Switch Position	No Difficulty Inhaling or Exhaling
75 - 85 (520 - 590)	80 psi Out	100% Oxygen	☐ FAIL PASS ☐

C. Pull Test

Applied Force lbs. (kg)	Verify Facepiece Does Not Tear or Separate from Hardshell
43 (20)	☐ FAIL PASS ☐

D. Mask and Hardshell Leak Test

Regulated Vacuum	100 ccm (0.1 lpm) MAX Leakage Allowed
13.8 in. H ₂ O (0.5 psig or 3.4 kPag)	☐ FAIL PASS ☐

E. Mask, Hardshell, and Breathing Valve Test

Regulated Vacuum	100 ccm (0.1 lpm) MAX Leakage Allowed
6.0 in. H ₂ O (0.2 psig or 1.5 kPag)	☐ FAIL PASS ☐

NOTE: FLOWS ARE GIVEN FOR OXYGEN TEST GAS @ NTPD.
APPLY THE APPROPRIATE CORRECTION FACTOR IF ANOTHER MEDIUM IS USED.



**CMM 35-10-05
TEST DATA SHEET B
358 Spe-Don Mask Assemblies**

Tested by: _____

Date: _____

Part Number: 358-_____

Inspected by: _____

Date: _____

Serial Number: _____

3. Mask Assembly Bench Test Procedures**F. Exhalation Valve Test**

Regulated Pressure	8.0 - 10.2 in. H ₂ O (2.0 - 2.5 kPag)
10.7 in. H ₂ O (0.4 psig or 2.7 kPag)	☐ FAIL PASS ☐

G. Vent Valve Test (358-1426V Only)

Regulated Pressure	Flow (lpm)	
1.0 in. H ₂ O (0.2 kPag)	1.0 Minimum	☐ FAIL PASS ☐
6.0 in. H ₂ O (1.5 kPag)	5.0 Maximum	☐ FAIL PASS ☐

NOTE: FLOWS ARE GIVEN FOR OXYGEN TEST GAS @ NTPD.
APPLY THE APPROPRIATE CORRECTION FACTOR IF ANOTHER MEDIUM IS USED.